

Product Data Sheet

Kapton Tape, Silicone Adhesive, 4.5 mil

758ST9538, 758ST9534, 758ST9578, 758ST9501, 758ST2575, 758ST2110, 758ST9512, 758ST9514, 758ST9513, 758ST9558



Product Information

Polyimide backing and silicone adhesive offers outstanding thermal resistance and excellent electrical insulating properties. This tape is used where toughness, puncture resistance, extreme resistance to heat, and flame retardance are required.

Used on gold fingers for protection in wave soldering. It is also used as a ground barrier and phase insulation in high performance coils. Also as an outer wrap on small bobbin wound coils and on foam wound coils for traction motors.

- Offers outstanding thermal resistance
- Provides excellent electrical insulating properties

Technical Details

Technical Details	Typical Values	Test Method
Total Thickness	4.5 mil	ASTM D-3652
Backing Thickness	3.0 mil	ASTM D-3652
Adhesion to Steel	25 oz/inch	ASTM D-3330
Tensile Strength	80 lb/inch	ASTM D-3759
Elongation	60%	ASTM D-3759
Dielectric Strength	15,000 volts	ASTM D-149
Operating Temp. Range	-73° to 260°C	
Insulation Class	180°C	
Adhesive	Silicone	

Packaging

758ST9538	3/8" x 36 Yds, 3" core, 4.5 mil
758ST9534	3/4" x 36 Yds, 3" core, 4.5 mil
758ST9578	7/8" x 36 Yds, 3" core, 4.5 mil
758ST9501	1" x 36 Yds, 3" core, 4.5 mil
758ST2575	1-3/8" x 36 Yds, 3" core, 4.5 mil
758ST2110	1-1/2" x 36 Yds, 3" core, 4.5 mil
758ST9512	1/2" x 36 Yds, 3" core, 4.5 mil
758ST9514	1/4" x 36 Yds, 3" core, 4.5 mil
758ST9513	1/8" x 36 Yds, 3" core, 4.5 mil
758ST9558	5/8" x 36 Yds, 3" core, 4.5 mil

Compliance

Mil-P-46112B/ ASTM D 5213, Type 1, Item A

RoHs/REACH Compliant: This Product complies with the European Union's "Restriction of Hazardous Substances" (RoHs) initiative and European REACH Regulation.

Rev. JUN23